Missouri Botanical Garden
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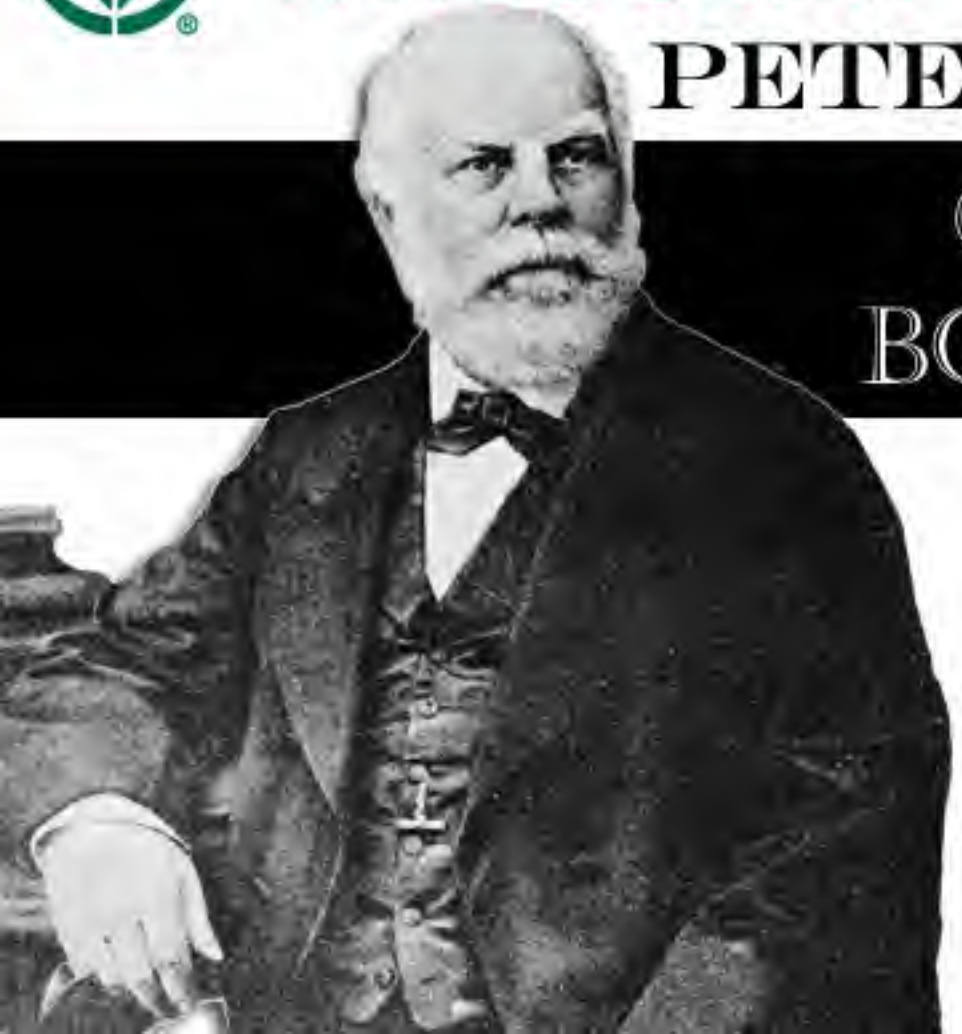
George Engelmann Botanical Notebooks



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1438-83

183

Pinus Sect Tsuga Endl Conif p 83.
Parlat in DC. Prod.

Tsuga Carr. Conif. 1855 & ed II. (1867) p. 260

End. I. 1855 p. 185

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Chrysanthemum Leucanthemum L

Ch. montanum L

Pyr III, 585
BA, 952

Ircherosphyllum. A sylvestre W. var.

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Europ

1824

EL501

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Ficus Canadensis

Fuego

1439-50

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Reihen von der Georg-Augusts-Univ. u. der K. Gesellsch. der Wissensch., Göttingen, 1860, No. 1–29, *from the Society;* Bull. de la Société Linnéenne de Normandie, Vol. V., 1859–60, Caen, 1861, *from the Society;* Mém. de l'Acad. Imperiale de Metz, Ann. XLI., 1859–60, *from the Academy;* Jahrbücher des Vereins für Naturk. in Nassau, XIV. Heft, Wiesbaden, 1859, *from the Society;* Dr. J. C. Ed. Hoser's Rückblicke, Prag, 1848, von Dr. Weitenweber,—Sitzungsb. der K. böhm. Gesellsch. der Wissenschaften, Prag, 1859, Juli–Dec.—1860, Jan.–Juni, *from the Society;* I. Bericht des Offenbacher Vereins für Naturk, 1860, *from the Society;* Würzburger Medicin. Zeitschrift, II. Band, 1–2 Heft, 1861, *from the Society;* Der Zoologische Garten, von Dr. D. F. Weinland, Jahrg. II., No. 1–6, 1860–61, *from the Editors;* XX. Bericht über das Museum Francisco-Carolinum, Linz, *from the Institution.*

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reins zur Beförderung des Gartenbaues, 1860, Nos. 1–52—1861, Nos. 1–6, Berlin, *from the Society;* Atti della Societa Ital. di Scienze Nat., Milano, Vol. II., Fasc. 2, 1860, *from the Society;* Atti dell I. R. Istituto Veneto, T. V., Ser. iii., Disp. 10—T. VI., Ser. iii., Disp. 1–3, 1860–1, *from the Society;* Visir-und Recheninstrumente von Ernst Sedlaczeh, Wien, 1856,—Rechenschieber, von E. Sedlaczeh, Wien, 1856,—Kompendium der ebenen und sfärischen Trigonometrie von E. Sedlaczeh, Wien, 1856, *from Mr. Senoner;* L'Ortolano, Giornale Popolare d'Orticultura, Trieste, Anno I. 1–12, III. 1–9, 1859–60,—Allocuzione da Prof. Adolfo Stopice, Trieste, 1860, *from the Society;* Fr. Ambrosii Flora Tiroliæ Australis, Vol. II., Pt. 4, *from the Author;* Verhandl. des Naturh. Vereins, Bonn, Jahrg. XVII., 1–2, 1860, *from the Society;* Sitzungsb. der K. K. Akad der Wissenchaften, Wien, Band XLII., No. 22–28, 1860, *from the Society;* Nachrichten von der Georg-Augusts-Univ. u. der K. Gesellsch. der Wissensch., Göttingen, 1860, No. 1–29, *from the Society;* Bull. de la Société Linnéenne de Normandie, Vol. V., 1859–60, Caen, 1861, *from the Society;* Mém. de l'Acad. Imperiale de Metz, Ann. XLI., 1859–60, *from the Academy;* Jahrbücher des Vereins für Naturk. in Nassau, XIV. Heft, Wiesbaden, 1859, *from the Society;* Dr. J. C. Ed. Hoser's Rückblicke, Prag, 1848, von Dr. Weitenweber,—Sitzungsb. der K. böhm. Gesellsch. der Wissenschaften, Prag, 1859, Juli–Dec.—1860, Jan.–Juni, *from the Society;* I. Bericht des Offenbacher Vereins für Naturk, 1860, *from the Society;* Würzburger Medicin. Zeitschrift, II. Band, 1–2 Heft, 1861, *from the Society;* Der Zoologische Garten, von Dr. D. F. Weinland, Jahrg. II., No. 1–6, 1860–61, *from the Editor;* XX. Bericht über das Museum Francisco-Carolinum, Linz, 1860, *from the Institution;* Monatsb. der K. Preuss. Akad. der Wissenschaften, 1860, Berlin,—General Register, 1836-58, Berlin 1860, *from the Academy;* Gelehrte Anzeigen, Vol. 49 & 50,—Sitzungsb. des K. bayer. Akad. des Wissenschaften, 1860, Heft 1–3, München.—Verzeichniss der

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10575

Dr. Koch presented specimens of quartz and of the silicious conglomerate from Madison County mentioned in Dr. Hilgard's letter.

Dr. Engelmann stated that the mean temperature of July (77.°5) had been lower than the usual mean of that month, and that the fall of rain during the same month (2.04 inches) was about one-half less than usual.

Dr. Wislizenus stated that the mean of atmospheric electricity of July had been 3.5° less than that of the month previous, and that the amount had been gradually decreasing since winter.

August 19, 1861.

The President, Dr. ENGELMANN, in the chair.

Six members present.

A letter was read from A. F. Bandelier, Jr., Highland, Ill., Aug. 1, 1861, communicating meteorological observations at Highland.

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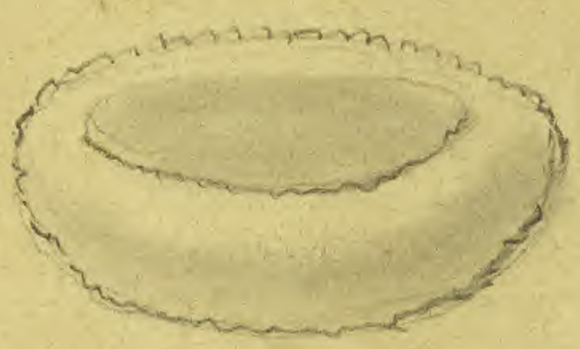
X415 Dry Pollen of Tsuga Canadensis June 1875
(Cambridge) 3

upper side



lower side

Pollen grains
compressed or rather
plate shaped, in water
not altering their
shape only offering
contrasts, the flat surfaces
and circular circum-
ference

They seem to be the remain-
ing single basal cell of the
ordinary form of Pine Pollen

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10576

ALEX. LETICH,

APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St Louis, Mo.

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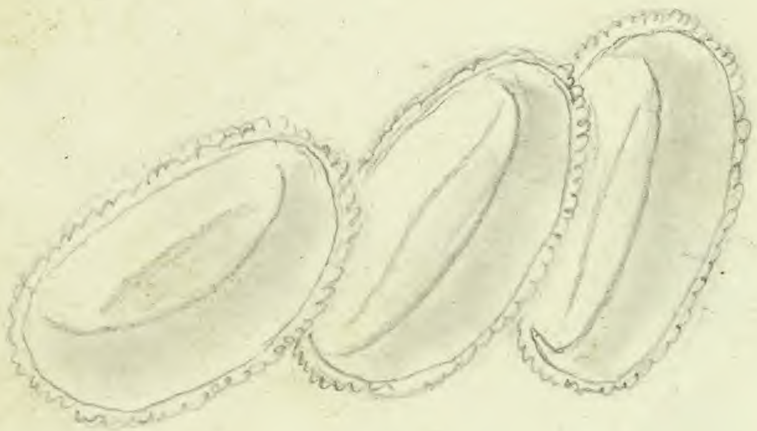
Tsuga Canadensis, Pollen in Canada Balsam
Cambridge
×415

Dec 1863



ALGOLOGICAL HERBARIUM
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Sixth and Market streets, St. Louis, Mo.

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Tuga Canadensis

April 30 1872

H. O. Hesson

Health Town of Apple Hudson

×415

fresh Pollen

Semitransparent margin consisting of hemispherical cells; intermediate ring also semitransparent

dry

×150

hollow dish shape

lateral view

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Smith & Smiley

DRUGGISTS

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Tsuga Canadensis seed 2 li. wing 2½ li. Aug 81

May 18 1881

Pensyl.	Canby	leaf 5–7‴ long	6–7 ser of stom	Cone	long
Niagara	Engelm	2½–5	6–7		10‴
White Mts	Engelm	3–5	5		9
Manitou	Sol ⁊	4–5	5		

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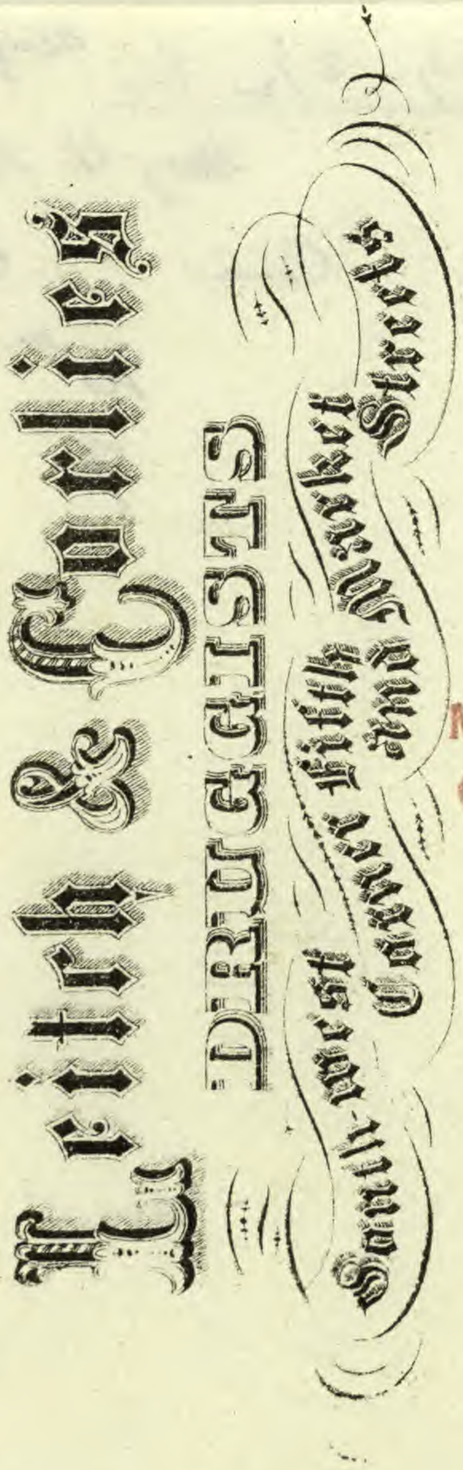

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showed, moreover, that in the nervous centres, just the same as in every other organ, we must make a distinction between pathological processes affecting the specific elements (parenchymatous processes), and those taking place principally in the interstitial connective tissue (interstitial processes). For instance, what the French call *ramollissement jaune* (yellow softening of the brain), is nothing else but fatty degeneration of the cells of the neuroglia, but not of the ganglionic cells. In cases of stillborn children, or many of those who died in the early period of life, we find the cellular elements of the neuroglia increased in size (hypertrophy), then increased in number (hyperplasy), and finally undergoing fatty degeneration, so that instead of single cells of the neuroglia, we find in these cases accumulations of granule-cells or granule-globules. In fact, we have interstitial encephalitis and interstitial myelitis, which explain the cause of death. Virchow found such diffuse interstitial encephalitis and myelitis in the infant, either accompanying constitutional syphilis of the parents or the acute exanthemata, especially small-pox of the mother, puerperal and other constitutional disturbances of the mother. He thinks that in those cases where the infants do not die, this condition of the nervous centres may possibly be the starting point for subsequent idiocy or infantile paralysis. Graefe has lately described a peculiar sloughing of the cornea of both eyes in infants, where at the post-mortem such a diffuse interstitial encephalitis has been found by Cohnheim and Hirschberg.

1444-50

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At the session of the 12th of January, Dr. Brown-Séquard said that he had collected together, in a book published in 1857, twelve or thirteen cases of diseases or traumatic lesions of the spinal marrow, which diseases or lesions had produced epileptic symptoms. But, he does not infer from those facts that the spinal marrow was the seat of the epilepsy. He merely believes that the cord, under the influence of certain lesions, becomes the seat of a special modification, in virtue of which there are produced elsewhere organic troubles from which result the epileptic phenomena.

10580

The Professor, in presence of the Academy, experimented on four Guinea-pigs which he had subjected to section of the spinal marrow about two months previously. One of these animals, which had had its spinal cord cut on both sides, went through attacks of convulsions when the two (*les deux*) sides of the face or neck were pinched. Those which had undergone unilateral section merely, had the symptoms only when the skin of the side operated on was irritated. Dr. Brown-Séquard showed besides a female Guinea-pig which had been impregnated a short time after section of the cord. The mamma of the paralyzed side secreted milk more abundantly than that of the well side.

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Tsuga Mertensiana (leaf 1½ wide 3-3½ lines) May 18' 1881

Calif.	Marin Co, Vasey	leaf	6-8 ‴ long	7-8 series of stomata,	Cone	11 lines
"	Mendocino	Bolander	8-9	7-9		6-7
"	"	"	6-7	7-8		8-9
Oreg.		Hall	6-9	7-9		10
"	Columbia	Eglam				
Br. Col.	Fraser River	"				
	49°	Lyall	7-8	8-9		9-11
Alaska	Kellogg		5-6	8-9		9-10
Yakima	Watson					12-13
Coeur d'Alene	"					

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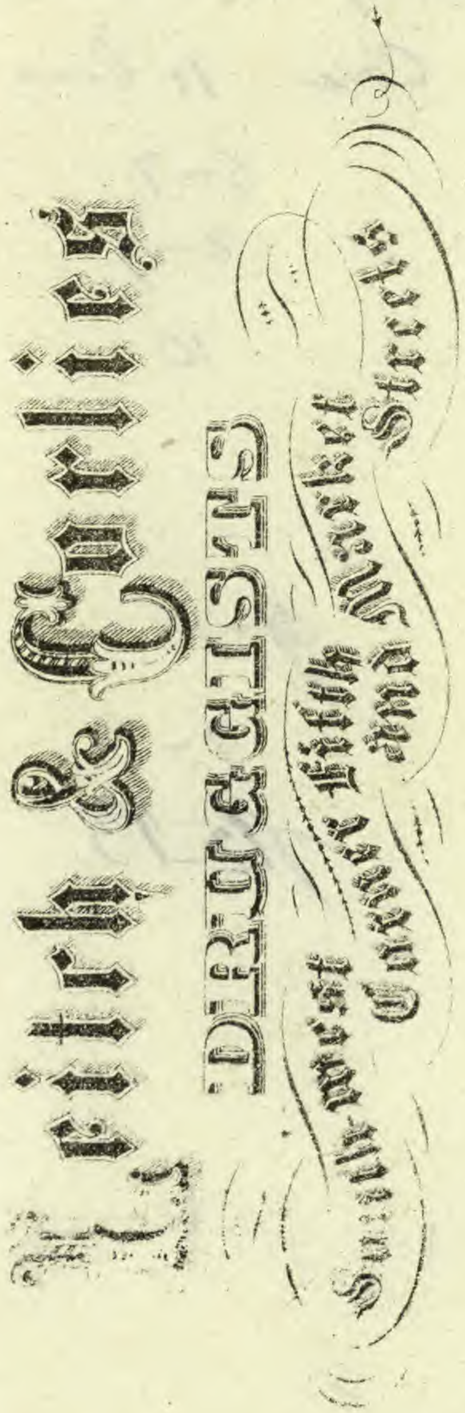
10581



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3 Sept. Montana Mts between Mountains and Lake

between Coeur d'Alene and Missoula

22 Sept " " " "

18 Oct " Yakima, Upper } in the Cascades

21 " " "

10582

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